

**PROMATION
ENGINEERING**

Precision Actuation for Industry

Process Control For Quarter Turn Electric Actuators

**A Wide Range of Control Options For
Industrial Processes**

**For P1 Series Actuators
Standard Proportional Controller
On/Off/Jog Controllers**

**For P2 - P13 Series Actuators
Premium Proportional Controller
On/Off/Jog Controllers**



P1 Quarter Turn Actuator



P4 Quarter Turn Actuator

January 2016

ProMation Engineering offers a wide range of control for nearly all products.

Total Process Control Options

From On/Off products, 2 Wire Control, and Feedback Kits to communication options and proportional control -- the features you need are available for your product. Standard with Ruggedboard design, manual overrides, and raised position indicators. Local Control Stations are optional for most models and may be direct mounted or configured for remote mounting.

P2~13 Series Proportional Controllers key basic features and parameters to control industrial processes:

For power voltages

- 24 VDC/VAC
- 120VAC and 230VAC single phase
- 230 - 575 VAC 3 phase

Multiple control and feedback signals

Power and Drive Indicators

Programmable Loss of Signal Positioning

Programmable Deadband



**P2-120PN4 with
Premium Proportional
Controller**

P1~P1.A Series Proportional Controllers key basic features and parameters:

For power voltages

- 24 VDC/VAC
- 120VAC and 230VAC single phase

Multiple control and feedback signals

Power and Drive Indicators

Programmable Loss of Signal Positioning



**P1-120PN4 with
Proportional
Controller**

P1~P13 Series On/Off Controllers key basic features and parameters:

For power voltages

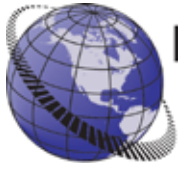
- 12 - 24 VDC/VAC
- 120VAC and 230VAC single phase
- 230 - 575 VAC 3 phase

Control Options

- 2 Wire Control
- Feedback Options
- Rotation modifications
- Wireless Transmitter



**P7-120N4-TS with
Torque Switch and
Model LD Local
Control Station**



Feature	Parameter	<u>P1 and P1.A</u>	<u>P2 ~ P13</u>
		Standard Proportional Controller	Premium Proportional Controller
Input Signal	1-5vdc	x	x
	2-10vdc	x	x
	4-20mA	x	x
	0-10vdc		x
Feedback Signal	1-5vdc	x	x
	2-10vdc	x	x
	4-20mA	x	x
	0-10vdc		x
Power Indicator	On/Off	x	x
Drive CW Indicator	On/Off	x	x
Drive CCW Indicator	On/Off	x	x
Programmable Loss of Signal Positioning	Stay in Place; Go Open; Go Close	x	x
Programmable Deadband		x	x
Diagnostic And Fault Indicators	Motor Stall		x
	Low Voltage		x
	High Current		x
	Motor Temperature		x
	Cycle Count		x
	AutoCal Fail		x
	Incorrect Control Input		x
	Controller Health		x
AutoCalibration			x
Self Tuning Feedback Signal			x
Data Logger			x
Alarm Contact Output			x
Alphanumeric Display			x

SD15_ProControl_4pg Rev E 100915

Additional Configurations

All of ProMation Engineering's proportional controllers are fully compatible with our Local Control Stations (LCS's). The LCS's can be mounted on the actuator or remote from the actuator for local operation.



Local Control Station
LCS J/K

The proportional controllers can also be used with our battery operated Power Backup Units (PBU's) to provide failsafe energy when power is interrupted to the actuator.



Power Backup Unit
PBU 100

Industrial Applications

ProMation Engineering actuators have been installed to operate process controls such as butterfly valves, ball valves, high performance valves, plug valves, gate valves and dampers, in a broad range of demanding industrial applications.

Power Generation



Water Processes



Mining



Oil and Gas



Agriculture



Chemicals



**PROMATION
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Precision Actuation for Industry

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